APPENDIX H LEVEL OF SERVICE TABLES

APPENDIX H - LEVEL OF SERVICE TABLES

This appendix contains tables showing the results of applying level of service criteria to the transfer stations addressed in this report. Criteria 1-17 were designed to evaluate the current conditions of the existing transfer stations in the county's waste handling system. It naturally followed that these level of service criteria were used to look at possible future stations and system packages.

Table 2-1 includes the conclusion of applying Criterion 17 to the existing transfer stations. Included here, as Table G-1, are all the elements of Criterion 17.

The remaining tables are Criteria 1 through 16 Level of Service as applied to "future" transfer stations delineated in the packages presented in Chapter 2.

At the point new facilities are actually sited, further studies will be conducted. The process of siting new facilities will consider compatibility with adjacent land use (Criterion 17). The following tables do not include an evaluation of new facilities using Criterion 17. New facilities will also require new land use permits. Acquisition of the land use permits will be successful if the local jurisdictions' land use requirements are met.

The tables included here are:

Existing Conditions

Table G-1: Application of Level of Service Criteria 17 to Existing Stations

Future Conditions

- Table G-2: Results of Applying Level of Service Criteria to *Future* Stations as Self-Haul Only
- Table G-3: Summary Results of Applying Level of Service Criteria to Package *Future* Stations
- Table G-4: Results of Applying Level of Service Criteria to Package1 Future Stations
- Table G-5: Results of Applying Level of Service Criteria to Package 1A *Future* Stations
- Table G-6: Results of Applying Level of Service Criteria to Package 2 Future Stations
- Table G-7: Results of Applying Level of Service Criteria to Package 2A Future Stations
- Table G-8: Results of Applying Level of Service Criteria to Package 3 Future Stations
- Table G-9: Results of Applying Level of Service Criteria to Package 4 Future Stations

Existing Conditions

Table G-1: Application of Level of Service Criterion 17 to Existing Stations (as adopted by MSWMAC)

	Algona	Bow Lake	Factoria	Houghton	Renton
Consistency w/ Land Use Plans & Zoning Regulations					
Transfer station use is consistent with the land use					
comprehensive plan zoning regulations and building code	Yes	Yes	Yes	Yes	Yes
of the host jurisdiction(s), including any variances or	168	165	168	165	165
waivers.					
Aesthetics					
1. Station is consistent in character and appearance with					
other developments in site vicinity or is largely obscured	Yes	Yes	No ¹	No ²	Yes
by topography, design feature, or landscaping					
Effective dust and litter control measures are					
implemented to minimize offsite transfer station-related	Yes	Yes	Yes	Yes	Yes
dust and litter					
Noise					
Onsite noise from station operations meets applicable	Yes	Yes	Yes	Yes	Yes
local noise ordinance standards.	163	163	163	163	163
Odor					
Operational best management practices are	Yes	Yes	Yes	Yes	Yes
implemented to minimize the potential for offsite odor.	163	163	163	163	163
2. Meets PSCAA standards for odors; no complaints	Yes	Yes	Yes	No ³	Yes
verified by regulatory agencies within last two years.	163	163	163	140	163
Traffic					
Meet criteria for acceptable traffic on local streets					
 a. Meets local jurisdiction's level of service standard 	Yes	No⁴	Yes	Yes	Yes
b. Traffic does not spill out onto local streets 95% of	No ⁵	No ⁵	No ⁵	Yes ⁶	Yes
the time	140	110	140	163	163
Transfer station-related traffic does not result in a					
safety hazard for other vehicles, bicycles, pedestrian or	No	No	No Data	No Data	No
equestrian traffic; based on incidents reported to local law	Data	Data	140 Bala	No Data	Data
enforcement agency over last 2 years.					
3. Transfer-station generated traffic does not significantly	Yes	No ⁴	Yes	Yes	Yes
degrade LOS at any intersection	100	110	100	100	100
General					
1.100 foot buffer between active area of station and	Yes	Yes	Yes ⁷	No ⁸	Yes
nearest residence	100	100	100	140	103
2. Transfer station meets all state and local regulations	Yes	Yes	Yes	Yes	Yes
governing design and operation of transfer stations.	100	100	100	100	103
Conclusion regarding Land Use Compatibility:			1.5	2 2 8	
Transfer station is compatible with surrounding Land	Yes	Yes	No ^{1, 5}	No ^{2, 3, 8}	Yes
Use.					

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¹ FTS is a 30+ year old facility suffering from deferred maintenance. It is visible on the approach to adjacent businesses. This is a close call as the neighborhood is primarily commercial/industrial.

² HTS is a 30+ year old facility suffering from deferred maintenance. It is in a residential/recreational area and clearly visible from the road.

³ One verifiable complaint in last two years.

⁴ Spills out onto Orillia Road on weekends.

⁵ Meets criterion weekdays, but not weekend days. Yes or no rating based on evaluating all days within study periods.

⁶ For all weekend and weekdays combined, Houghton is at 95%.

⁷ Meets 100 foot residential criterion, but businesses located within 100 ft.

⁸Transfer station parking is located within 100 feet of nearest residence.

Future Conditions

Table G-2: Results of Applying Level of Service Criteria to Future Stations as Self-Haul Only

Note: Many of the deficiencies identified in Chapter 2, Table 2-1 "Application of Level of Service Criteria to Transfer Station" are directly attributable to conflicts arising from commercial and self-haul customers queuing entering, dumping and exiting the constrained spaces of the existing facilities. Self-haul only facilities do not have the same requirements as a full service facility. The criteria in Table 2.1 were reapplied to the existing facilities proposed to be self-haul only and appear below. When the answer for a particular criterion changes due to being self-haul only, changes are italicized in blue.

				Factoria SH-only	Houghton SH-only	Renton SH-only
1.	Estimated time to a transfer facility within the service area for 90% of users	< 30 min=yes	YES	YES	YES	YES
2.	Time on site meets standard for 90% of total trips					
	a. commercial vehicles	< 16 min=yes	N/A	N/A	N/A	N/A
	b. business self haulers	< 30 min=yes		N/A	N/A	N/A
	c. residential self haulers	< 30 min=yes	YES	YES	YES	YES
3.	Facility hours meet user demand	YES/NO	YES	YES	YES	YES
4.	Recycling servicesmeet policies in SW Comp Plan	\/E0/\				
	a. business self haulers	YES/NO	N/A	N/A	N/A	N/A
	b. residential self-haulers	YES/NO	NO	NO	NO	NO
5.	Vehicle capacity					
	a. meets current needs	YES/NO	NO	NO	NO	YES
	b. meets 20 year forecast needs	YES/NO	NO	NO	NO	YES
6.	Average daily handling capacity (tons)					
	a. meets current needs	YES/NO	YES	YES	YES	YES
	b. meets 20 year forecast needs	YES/NO	YES	YES	YES	YES
7.	Space for 3 days' storage					
	a. meets current needs	YES/NO	NO	NO	NO	NO
	b. meets 20-year forecast needs	YES/NO	NO	NO	NO	NO
•						
8.	Space exists for station expansion	YES/NO	NO	YES	YES	YES
	a. inside the property lineb. on available adjacent lands through expansion	YES/NO	NO YES	YES	NO	NO
	b. On available adjacent lands throught expansion	TES/NO	ILS	ILS	NO	NO
9.	Minimum roof clearance of 25 feet	YES/NO	YES*	N/A*	YES*	YES*
* Se crite	elf-haul facilities do not require 25 feet of clearance. However prion at the time of export.	, each of these sta	ations exce	ept FTS me		
10.	Meets facility safety goals	YES/NO	NO*	NO*	NO*	NO*
	e presence of these physical challenges doesn't mean that th	e stations operate		afe manner.		
11.	Ability to compact waste	YES/NO	NO	NO	NO	NO

		•	Factoria SH-only	Houghton SH-only	Renton SH-only
12. a. Meets goals for structural integrity	YES/NO	YES	YES	YES	YES
b. Meets FEMA immediate occupancy standards	YES/NO	YES	NO	YES	YES
13. Meets applicable local noise ordinance levels	YES/NO	YES	YES	YES	YES
Meets PSCAA standards for odors	YES/NO	YES	YES	YES*	YES
* New odor control system installed					
15. Meets goals for traffic on local streets					
a. Meets LOS standard	YES/NO	YES	YES	YES	YES
b. Traffic does not extend onto local streets 95% of					
time	YES/NO	NO*	NO*	YES	YES
*Meets criteria weekdays, but not weekend days. Yes or No rating I	based on evalu	uating all da	ys w/in stud	ly period.	
16. 100 foot buffer between active area & nearest residence	YES/NO	YES	YES*	NO	YES

^{*}Meets 100 ft from residence criteria, but existing business within 100 ft

Table G-3: Summary Results of Applying Level of Service Criteria to
FutureTransfer Station Package

Package | Packag

			Package	Package	Package	Package	Package	Package
1.	Estimated time to a transfer		1	1a	2	2a	3	4
••	facility within the service area for							
	90% of users	min=yes	YES		YES	YES	NO	YES
•	- :	000/ / / / / /						
2.	Time on site meets standard for	90% of total tri < 16	ps					
	a. commercial vehicles	min=yes	YES		YES	YES	YES	YES
	h husings salf haulans	< 30	VEC		VEC 4	VEC 4	VEC	VEC 4
	b. business self haulers	min=yes < 30	YES		YES 1	YES 1	YES	YES 1
	c. residential self haulers	min=yes	YES		YES	YES	YES	YES
				I	I	T	T	
3.	Facility hours meet user deman	d YES/NO	YES		YES	YES	YES	YES
1	Recycling services meet policie	o in SW Comp	Dlon					
4.	a. business self-haulers	YES/NO	YES		YES 2	YES 2	YES	YES 2
	b. residential self-haulers	YES/NO	YES		NO	NO	NO	NO
				l .				
5.	Vehicle capacity							
	a. meets current needs	YES/NO	YES		NO	NO	NO	NO
	 b. meets 20-year forecast needs 	YES/NO	YES		NO	NO	NO	NO
	110000	120/110	120		110	110	110	110
6.	Average daily handling capacity	(tons)						
	a. meets current needs	YES/NO	YES		YES	YES	YES	YES
	 b. meets 20-year forecast needs 	YES/NO	YES		YES	YES	YES	YES
	neeus	TES/NO	TES		IES	ILS	ILO	TES
7.	Space for 3 days' storage							
	a. meets current needs	YES/NO	YES		NO	NO	NO	NO
	b. meets 20-year forecast	VEC/NO	VEC		NO	NO	NO	NO
	needs	YES/NO	YES		NO	NO	NO	NO
8.	Space exists for station expans	ion						
	a. inside the property line	YES/NO	YES		YES	YES	YES	NO
	b. on available adjacent lands							
	through expansion	YES/NO	YES		NO	NO	NO	NO
9.	Minimum roof clearance of 25							
٥.	feet	YES/NO	YES		YES*	YES*	YES*3	YES*
* H	ITS new roof funding approved.							<u> </u>
			1	T	T	T	T	1
	. Meets facility safety goals	YES/NO	YES		NO*	NO*	NO*	NO*
* Tł	he presence of these physical challer	ges doesn't mear	n that the stati	ons operate ii	n an unsafe m	anner.		
11	. Ability to compact waste	YES/NO	YES		NO	NO	NO	NO
11.	. Ability to compact waste	I ES/INO	IES	L	INU	INU	INU	INO

			Package 1	Package 1a	Package 2	Package 2a	Package 3	Package 4
12.	Meets goals for structural integrity	YES/NO	YES		YES	YES	YES	YES
	b. Meets FEMA immediate occupancy standards	YES/NO	YES		YES	YES	NO	YES
13.	Meets applicable local noise ordinance levels	YES/NO	YES		YES	YES	YES	YES
14.	Meets PSCAA standards for							
	odors	YES/NO	YES		YES*	YES*	YES*	YES*
* Ne	ew odor control system installed							
15.	Meets goals for traffic on local stree	ets						
	a. Meets LOS standard	YES/NO	YES		YES	YES	YES	YES
	b. Traffic does not extend onto local streets 95% of time	YES/NO	YES		YES	YES	NO*	NO
*Me	ets criteria weekdays, but not weekend c	lays. Yes or i	No rating base	ed on evaluati	ng all days w/	in study perio	d.	
16.	100 foot buffer between active area and nearest residence	YES/NO	YES		NO	NO	NO	NO

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

Note: Package 1a (new Factoria) cannot be evaluated at this time.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue

Table G-4: Results of Applying Level of Service Criteria to Package 1 Future Stations

				New South County	New Bow Lake	Factoria / Eastgate	New NE Lake WA	Combined Effect
1.		timated time to a transfer						
		ility within the service area 90% of users	< 30 min=yes	YES	YES	YES	YES	YES
•	- .		000/ (1.11:					
2.		ne on site meets standard for	· [٧٥	VEO	VEO	VE0	VEO
	a.	commercial vehicles	< 16 min=yes	YES	YES	YES	YES	YES
	b.	business self haulers	< 30 min=yes	YES	YES	YES	YES	YES
	c.	residential self haulers	< 30 min=yes	YES	YES	YES	YES	YES
3.		cility hours meet user mand	YES/NO	YES	YES	YES	YES	YES
4.	Re	cycling services meet policies	s in SW Comp Plan	า				
••	a.	business self-haulers	YES/NO	YES	YES	YES	YES	YES
	b.	residential self-haulers	YES/NO	YES	YES	YES	YES	YES
5.	Vel	hicle capacity						
•		meets current needs	YES/NO	YES	YES	YES	YES	YES
	b.	meets 20-year forecast needs	YES/NO	YES	YES	YES	YES	YES
6.	Ave	erage daily handling capacity	(tons)		T	T	T	, ,
		meets current needs	YES/NO	YES	YES	YES	YES	YES
	b.	meets 20-year forecast needs	YES/NO	YES	YES	YES	YES	YES
7.	Spa	ace for 3 days' storage						
	a.	meets current needs	YES/NO	YES	YES	YES	YES	YES
	b.	meets 20-year forecast needs	YES/NO	YES	YES	YES	YES	YES
8.	•	ace exists for station expansion	Ī	\/==	\/==	\/F6	\/F0	\/50
	a.	inside the property line	YES/NO	YES	YES	YES	YES	YES
	b.	on available adjacent lands through expansion	YES/NO	YES	YES	YES	YES	YES
9.	Mir	nimum roof clearance of 25	[
	fee	t	YES/NO	YES	YES	YES	YES	YES
* H	i'S ne	ew roof funding approved.						
10.	Ме	ets facility safety goals	YES/NO	YES	YES	YES	YES	YES
* TI	ne pre	esence of these physical challeng	ges doesn't mean tha	at the stations	operate in an ur	nsafe manner.		
11.	Abi	ility to compact waste	YES/NO	YES	YES	YES	YES	YES
		2 1						

		New South County	New Bow Lake	Factoria / Eastgate	New NE Lake WA	Combined Effect
12. a. Meets goals for structural integrity	YES/NO	YES	YES	YES	YES	YES
 Meets FEMA immediate occupancy standards 	YES/NO	YES	YES	YES	YES	YES
13. Meets applicable local noise ordinance levels	YES/NO	YES	YES	YES	YES	YES
14. Meets PSCAA standards for odors	YES/NO	YES	YES	YES	YES	YES
* New odor control system installed						
15. Meets goals for traffic on local stre	eets					
a. Meets LOS standardb. Traffic does not extend onto local streets 95% of	YES/NO	YES	YES	YES	YES	YES
time	YES/NO	YES	YES	YES	YES	YES
*Meets criteria weekdays, but not weekend	days. Yes or No	rating based or	n evaluating all d	days w/in study	period.	

YES

YES

YES

YES

YES

16. 100 foot buffer between active

area and nearest residence

YES/NO

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue

Table G-5: Results of Applying Level of Service Criteria to Package 1A Future Stations

F	Future Stations		New South County	New Bow Lake	New Factoria	New NE Lake WA	Combined Effect
1.	Estimated time to a transfer facility within the service area for 90% of users	< 30 min=yes	YES	YES	1 dotoria	YES	Lincot
2.	Time on site meets standard for 90% of	•					1
	a. commercial vehicles	< 16 min=yes	YES	YES		YES	
	b. business self haulers	< 30 min=yes	YES	YES		YES	
	c. residential self haulers	< 30 min=yes	YES	YES		YES	
3.	Facility hours meet user demand	YES/NO	YES	YES		YES	
4.	Recycling services meet policies in SW (Comp Plan					
	a. business self-haulers	YES/NO	YES	YES		YES	
	b. residential self-haulers	YES/NO	YES	YES		YES	
5.	Vehicle capacity						
	a. meets current needs	YES/NO	YES	YES		YES	
	b. meets 20-year forecast needs	YES/NO	YES	YES		YES	
6.	Average daily handling capacity (tons)						
-	a. meets current needs	YES/NO	YES	YES		YES	
	b. meets 20-year forecast needs	YES/NO	YES	YES		YES	
7.	Space for 3 days' storage						
٠.	a. meets current needs	YES/NO	YES	YES		YES	
	b. meets 20-year forecast needs	YES/NO	YES	YES		YES	
	5. Mode 20 your forodast noods	120/10	120	120		120	
8.	Space exists for station expansion				1		
	a. inside the property line	YES/NO	YES	YES		YES	
	 b. on available adjacent lands through expansion 	YES/NO	YES	YES		YES	
9.	Minimum roof clearance of 25 feet	YES/NO	YES	YES		YES	
_	TS new roof funding approved.	120/10	120	120		120	
10	. Meets facility safety goals	YES/NO	YES	YES		YES	
	ne presence of these physical challenges doesn				e manner.	120	
11.	. Ability to compact waste	YES/NO	YES	YES		YES	
12.	. a. Meets goals for structural integrity	YES/NO	YES	YES		YES	
	 Meets FEMA immediate occupancy standards 	YES/NO	YES	YES		YES	

		New South County	New Bow Lake	New Factoria	New NE Lake WA	Combined Effect
13. Meets applicable local noise ordinance	VEONO	V/E0	VEO		VEO	
levels	YES/NO	YES	YES		YES	
14. Meets PSCAA standards for odors	YES/NO	YES	YES		YES	
*New odor control system installed						
15. Meets goals for traffic on local streets						
a. Meets LOS standard	YES/NO	YES	YES		YES	
 Traffic does not extend onto local streets 95% of time 	YES/NO	YES	YES		YES	
*Meets criteria weekdays, but not weekend days.	Yes or No rating ba	ased on evalua	ating all day	s w/in study p	eriod.	
16. 100 foot buffer between active area and nearest residence	YES/NO	YES	YES		YES	

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

Note: Package 1a (new Factoria) cannot be evaluated at this time.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue

Table G-6: Results of Applying Level of Service Criteria to Package 2 Future Stations

			New South	New Bow	Factoria	Houghton	New NE Lake WA Comm	Combined
			County	Lake	Eastgate	SH-Only	Only	Effect
1.	Estimated time to a transfer facility	00						
	within the service area for 90% of users	< 30 min=yes	YES	YES	YES	YES	YES	YES
		•				•		
2.	Time on site meets standard for 90%					· · · · · · · · · · · · · · · · · · ·		
	a. commercial vehicles	< 16 min=yes	YES	YES	YES	N/A	YES	YES
	a. commercial verticies	< 30			120			
	b. business self haulers	min=yes	YES	YES	YES	N/A	YES 1	YES 1
	c. residential self haulers	< 30 min=yes	YES	YES	YES	YES	N/A	YES
		•				•		
3.	Facility hours meet user demand	YES/NO	YES	YES	YES	YES	YES	YES
4.	Recycling services meet policies in S'	•		\/F0	VE0	N1/A	VEQ 0	\/F0.0
	a. business self-haulersb. residential self-haulers	YES/NO YES/NO	YES YES	YES YES	YES YES	N/A NO	YES 2 N/A	YES 2 NO
	b. Tesiderillai sell-Hadiers	I ES/NO	TES	TES	TES	NO	IN/A	NO
5.	Vehicle capacity							
	a. meets current needs	YES/NO	YES	YES	YES	NO	YES	NO
	b. meets 20-year forecast needs	YES/NO	YES	YES	YES	NO	YES	NO
6.	Average daily handling capacity (tons	-	\/F0	\/F0	VE0	\/F0	\/F0	\/F0
	a. meets current needs	YES/NO YES/NO	YES YES	YES YES	YES YES	YES YES	YES	YES YES
	b. meets 20-year forecast needs	TES/NO	TES	163	160	150	YES	169
7.	Space for 3 days' storage							
	a. meets current needs	YES/NO	YES	YES	YES	NO	YES	NO
	b. meets 20-year forecast needs	YES/NO	YES	YES	YES	NO	YES	NO
8.	Space exists for station expansion							
	a. inside the property line	YES/NO	YES	YES	YES	YES	YES	YES
	 b. on available adjacent lands through expansion 	YES/NO	YES	YES	YES	NO	YES	NO
	anough expansion	5/110	U	0_			0	
9.	Minimum roof clearance of 25 feet	YES/NO	YES	YES	YES	YES*	YES	YES*
* H	TS new roof funding approved.							
10.	Meets facility safety goals	YES/NO	YES	YES	YES	NO*	YES	NO*

^{*} The presence of these physical challenges doesn't mean that the stations operate in an unsafe manner.

				New	New	Factoria		New NE Lake WA	
				South County	Bow Lake	/ Eastgate	Houghton SH-Only	Comm Only	Combined Effect
11.	Abi	lity to compact waste	YES/NO	YES	YES	YES	NO	YES	NO
12.	a.	Meets goals for structural integrity	YES/NO	YES	YES	YES	YES	YES	YES
	b.	Meets FEMA immediate occupancy standards	YES/NO	YES	YES	YES	YES	YES	YES
						1	T		
		ets applicable local noise inance levels	YES/NO	YES	YES	YES	YES	YES	YES
14.	Ме	ets PSCAA standards for odors	YES/NO	YES	YES	YES	YES*	YES	YES*
* Ne	w oc	dor control system installed							
15.	Ме	ets goals for traffic on local streets							
	a.	Meets LOS standard	YES/NO	YES	YES	YES	YES	YES	YES
	b.	Traffic does not extend onto local streets 95% of time	YES/NO	YES	YES	YES	YES	YES	YES
*Mee	ets c	riteria weekdays, but not weekend days	s. Yes or No	rating based	on evalua	ating all days	w/in study perio	d.	
) foot buffer between active area If nearest residence	YES/NO	YES	YES	YES	NO	YES	NO

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue

Table G-7: Results of Applying Level of Service Criteria to Package 2A Future Stations

New

				New South County	Factoria / Eastgate	Houghton SH-Only	Renton SH- Only	New NE Lake WA Comm Only	New Bow Lake Comm Only	Combined Effect
1.		timated time to a transfer				•				
		ility within the service area 90% of users	< 30 min=yes	YES	YES	YES	YES	YES	YES	YES
	101	30 /0 OI U3CI3	IIIII-yes	120	120	120	ILO	120	ILO	120
2.	Tin	ne on site meets standard for	90% of total	trips						
	•	commercial vehicles	< 16	YES	YES	NI/A	N/A	YES	YES	YES
	a.	commercial vehicles	min=yes < 30	163	TES	N/A	IN/A	TES	TES	163
	b.	business self haulers	min=yes	YES	YES	N/A	N/A	YES 1	YES 1	YES1
	c.	residential self haulers	< 30 min=yes	YES	YES	YES	YES	N/A	N/A	YES
			,,,,,					1 7 7 7		
3.		cility hours meet user	VEO/NO	VEO	VEO	VEO	VEO	VEO	VEO	VEO
	aeı	mand	YES/NO	YES	YES	YES	YES	YES	YES	YES
4.	Re	cycling services meet policies	s in SW Com	p Plan						
	a.	business self-haulers	YES/NO	YES	YES	N/A	N/A	YES 2	YES 2	YES 2
	b.	residential self-haulers	YES/NO	YES	YES	NO	NO	N/A	N/A	NO
5.	Ve	hicle capacity			1		1		ı	1
	a.	meets current needs	YES/NO	YES	YES	NO	YES	YES	YES	NO
	b.	meets 20-year forecast needs	YES/NO	YES	YES	NO	YES	YES	YES	NO
					•					
6.	Ave	erage daily handling capacity	(tons)	-	1		1	T		1
	a.	meets current needs	YES/NO	YES	YES	YES	YES	YES	YES	YES
	b.	meets 20-year forecast needs	YES/NO	YES	YES	YES	YES	YES	YES	YES
7.	Sp	ace for 3 days' storage		-	1		1	T		1
	a.	meets current needs	YES/NO	YES	YES	NO	NO	YES	YES	NO
	b.	meets 20-year forecast needs	YES/NO	YES	YES	NO	NO	YES	YES	NO
			3,							
8.	Sp	ace exists for station expansi	on	-	1		1	T		T
	a.	inside the property line	YES/NO	YES	YES	YES	YES	YES	YES	YES
	b.	on available adjacent	VEC/NC	VEC	VEO	NO	NO	VEO	VEO	NO
		lands through expansion	YES/NO	YES	YES	NO	NO	YES	YES	NO
9.	Mir	nimum roof clearance of 25								
	fee		YES/NO	YES	YES	YES*	YES	YES	YES	YES*
* H	ITS ne	ew roof funding approved.								
4.0	F. 4	ata fasilitus antetus see ele	VEC/NO	VEC	VEO	NO*	NO*	VEO	VEC	N/O*
		ets facility safety goals	YES/NO	YES	YES	NO*	NO*	YES	YES	NO*
<i>" 1</i>	ne pr	esence of these physical challen	yes aoesn't me	an that the	stations opera	ate in an unsafe	e manner.			
11	. Ab	ility to compact waste	YES/NO	YES	YES	NO	NO	YES	YES	NO
		2 1	22			· · · · · · · · · · · · · · · · · · ·				

		New South County	Factoria / Eastgate	Houghton SH-Only	Renton SH- Only	New NE Lake WA Comm Only	New Bow Lake Comm Only	Combined Effect	
12. a. Meets goals for structural integrity	YES/NO	YES	YES	YES	YES	YES	YES	YES	
b. Meets FEMA immediate occupancy standards	YES/NO	YES	YES	YES	YES	YES	YES	YES	
			<u> </u>		T		Π		
 Meets applicable local noise ordinance levels 	YES/NO	YES	YES	YES	YES	YES	YES	YES	
		_							
Meets PSCAA standards for odors	YES/NO	YES	YES	YES*	YES	YES	YES	YES*	
* New odor control system installed									
15. Meets goals for traffic on local s	treets								
a. Meets LOS standard	YES/NO	YES	YES	YES	YES	YES	YES	YES	
 b. Traffic does not extend onto local streets 95% of 									
time	YES/NO	YES	YES	YES	YES	YES	YES	YES	
*Meets criteria weekdays, but not weeke	nd days. Yes	or No rating	based on eva	luating all days	w/in study µ	period.			
16. 100 foot buffer between active area and nearest residence	YES/NO	YES	YES	NO	YES	YES	YES	NO	

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue

Table G-8: Results of Applying Level of Service Criteria to Package 3 Future Stations

1. Estimated time to a transfer facility within the service area for 90% of users 2. Time on site meets standard for 90% of total trips a. commercial vehicles min-yes				New South County	New Bow Lake	Renton SH- Only	Factoria SH- Only	Houghton SH-Only	MEGA New NE Lake WA	Combined Effect
service area for 90% of users min=yes	1.	Estimated time to a		-		J,	J y			
2. Time on site meets standard for 90% of total trips 16 2. a. commercial vehicles mineyes										
2. Time on site meets standard for 90% of total trips a. commercial vehicles				VEC	VEC	VEC	VEC	VEC	NO	NO
a. commercial vehicles		users	iiiii=yes	ILS	ILS	ILO	ILO	TES	NO	NO
a. commercial vehicles min=yes < 30 b. business self haulers min=yes < 30 c. residential self haulers min=yes < yES Y	2.	Time on site meets standard		al trips	T	Г	T	Γ	Г	<u> </u>
b. business self haulers		a commercial vehicles	_	VEQ	VES	NI/A	NI/A	NI/A	VES	VES
b. business self haulers min=yes < 30		a. Commercial vehicles	•	ILS	ILS	IN/A	IN/A	IN/A	ILS	TES
c. residential self haulers min=yes YES YES YES YES YES YES YES YES YES 3. Facility hours meet user demand YES/NO YES YES YES YES YES YES YES YES YES 4. Recycling servicesmeet policies in SW Comp Plan a. business self-haulers YES/NO YES YES N/A N/A N/A YES		b. business self haulers		YES	YES	N/A	N/A	N/A	YES	YES
3. Facility hours meet user demand YES/NO YES										
4. Recycling servicesmeet policies in SW Comp Plan a. business self-haulers YES/NO b. residential self-haulers YES/NO b. residential self-haulers YES/NO b. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets current needs YES/NO corrected to the forecast NO corrected to the		c. residential self haulers	min=yes	YES	YES	YES	YES	YES	YES	YES
4. Recycling servicesmeet policies in SW Comp Plan a. business self-haulers YES/NO b. residential self-haulers YES/NO b. residential self-haulers YES/NO b. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets current needs YES/NO corrected to the forecast NO corrected to the	2	Codility have made year			I		T	I	<u> </u>	1
4. Recycling servicesmeet policies in SW Comp Plan a. business self-haulers YES/NO yES YES N/A N/A N/A YES YES YES NO NO NO NO YES NO 5. Vehicle capacity a. meets current needs YES/NO yES YES YES YES NO NO YES NO 6. Average daily handling capacity (tons) a. meets current needs YES/NO yES Y	3.		YES/NO	YES	YES	YES	YES	YES	YES	YES
a. business self-haulers b. residential self-haulers YES/NO YES YES N/A N/A N/A YES YES NO NO NO NO YES NO VES YES NO NO NO NO YES NO VES YES NO NO NO NO YES NO VES NO VES NO NO NO NO NO YES NO VES NO NO NO NO YES NO NO NO NO NO YES NO NO NO NO NO NO YES NO N		demand	120/10	120	1120	120	120	120	120	120
b. residential self-haulers YES/NO YES YES NO NO NO YES NO 5. Vehicle capacity a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES YES YES NO NO YES NO 6. Average daily handling capacity (tons) a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets 20-year forecast needs YES/NO YES	4.	Recycling servicesmeet po	licies in SW C	omp Plan						
haulers YES/NO YES YES NO NO NO YES NO 5. Vehicle capacity a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO a. meets current needs YES/NO Average daily handling capacity (tons) a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO NO YES NO NO NO YES NO NO NO NO NO YES NO NO NO NO NO NO NO NO YES NO NO NO NO NO YES		a. business self-haulers	YES/NO	YES	YES	N/A	N/A	N/A	YES	YES
5. Vehicle capacity a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO Colored Test No color										
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO control in the state of the property line of the property line of the property line expansion a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. on available adjacent lands through expansion YES/NO b. on available adjacent lands through expansion YES/NO b. Minimum roof clearance of		haulers	YES/NO	YES	YES	NO	NO	NO	YES	NO
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO control in the state of the property line of the property line of the property line expansion a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. on available adjacent lands through expansion YES/NO b. on available adjacent lands through expansion YES/NO b. Minimum roof clearance of	_									
b. meets 20-year forecast needs YES/NO YES YES YES NO NO YES NO 6. Average daily handling capacity (tons) a. meets current needs YES/NO YES	5.	* *								
forecast needs YES/NO YES YES YES NO NO YES NO 6. Average daily handling capacity (tons) a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO 7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO NO YES NO 8. Space exists for station expansion a. inside the property line YES/NO b. on available adjacent lands through expansion YES/NO YES YES YES YES YES YES YES YES YES 9. Minimum roof clearance of			YES/NO	YES	YES	YES	YES	NO	YES	NO
6. Average daily handling capacity (tons) a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES YES YES YES YES YES YES 7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO NO YES NO 8. Space exists for station expansion a. inside the property line YES/NO b. on available adjacent lands through expansion YES/NO YES YES YES YES YES YES YES YES YES YES YES NO NO YES			YES/NO	YES	YES	YES	NO	NO	YES	NO
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES YES YES YES YES YES YES 7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO NO YES NO 8. Space exists for station expansion a. inside the property line YES/NO D. on available adjacent lands through expansion YES/NO YES NO NO YES		10100001110000	. 20/110							
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES YES YES YES YES YES YES 7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO NO YES NO 8. Space exists for station expansion a. inside the property line YES/NO D. on available adjacent lands through expansion YES/NO YES NO NO YES	6.	Average daily handling capac	city (tons)							
forecast needs YES/NO YES YES YES YES YES YES YES YES 7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO 8. Space exists for station expansion a. inside the property line YES/NO b. on available adjacent lands through expansion YES/NO 9. Minimum roof clearance of				YES	YES	YES	YES	YES	YES	YES
7. Space for 3 days' storage a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO 8. Space exists for station expansion a. inside the property line YES/NO b. on available adjacent lands through expansion 9. Minimum roof clearance of										
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO YES NO 8. Space exists for station expansion a. inside the property line b. on available adjacent lands through expansion YES/NO YES YES NO NO NO YES NO YES		forecast needs	YES/NO	YES	YES	YES	YES	YES	YES	YES
a. meets current needs YES/NO b. meets 20-year forecast needs YES/NO YES YES NO NO NO YES NO 8. Space exists for station expansion a. inside the property line b. on available adjacent lands through expansion YES/NO YES YES NO NO NO YES NO YES	-	0 (0) (
b. meets 20-year forecast needs YES/NO YES YES NO NO NO YES NO NO YES NO NO YES NO NO YES NO YES YES YES YES YES YES YES YE	7.	•	VEO (NO	\/F0	\/F0	NO	NO	NO	\/F0	NO
forecast needs YES/NO YES YES NO NO NO YES NO NO YES NO NO YES NO NO YES NO NO NO YES NO NO YES NO NO YES NO NO YES NO NO NO YES NO YES NO YES YES YES YES YES YES YES YE			YES/NO	YES	YES	NO	NO	NO	YES	NO
8. Space exists for station expansion a. inside the property line YES/NO b. on available adjacent lands through expansion YES/NO 9. Minimum roof clearance of			YES/NO	YES	YES	NO	NO	NO	YES	NO
a. inside the property line b. on available adjacent lands through expansion YES/NO YES YES YES YES YES YES YES YES YES YES YES YES NO YES NO YES NO 9. Minimum roof clearance of										
a. inside the property line b. on available adjacent lands through expansion YES/NO YES YES YES YES YES YES YES YES YES YES YES YES NO YES NO YES NO 9. Minimum roof clearance of	8.	Space exists for station expan	nsion							
line b. on available adjacent lands through expansion YES/NO YES YES YES YES YES YES VES YES YES YES YES NO YES NO YES NO YES NO 9. Minimum roof clearance of										
lands through expansion YES/NO YES YES NO NO YES NO YES NO NO NO YES NO NO NO YES NO NO NO NO NO NO NO NO NO N		line	YES/NO	YES	YES	YES	YES	YES	YES	YES
expansion YES/NO YES YES NO YES NO YES NO 9. Minimum roof clearance of										
9. Minimum roof clearance of		· ·	YES/NO	YES	YES	NO	YES	NO	YES	NO
		ολρατισίστι	120/110		0	1,10		1,0		
	9.	Minimum roof clearance of								
			YES/NO	YES	YES	YES	NO 3	YES*	YES	YES*3

^{*} HTS new roof funding approved.

			New South County	New Bow Lake	Renton SH- Only	Factoria SH- Only	Houghton SH-Only	New NE Lake WA	Combined Effect		
10.	Meets facility safety goals	YES/NO	YES	YES	NO*	NO*	NO*	YES	NO*		
* Th	* The presence of these physical challenges doesn't mean that the stations operate in an unsafe manner.										
11.	Ability to compact waste	YES/NO	YES	YES	NO	NO	NO	YES	NO		
40	- Masta mada fan			Ι		I	1				
12.	a. Meets goals for structural integrity	YES/NO	YES	YES	YES	YES	YES	YES	YES		
	b. Meets FEMA immediate occupancy	,									
	standards	YES/NO	YES	YES	YES	NO	YES	YES	NO		
				Г		1	T				
13.	Meets applicable local	\									
	noise ordinance levels	YES/NO	YES	YES	YES	YES	YES	YES	YES		
11	Meets PSCAA standards			1		<u> </u>			1		
14.	for odors	YES/NO	YES	YES	YES	YES	YES*	YES	YES*		
* Ne	ew odor control system installed	d									
15.	Meets goals for traffic on le	ocal streets									
	a. Meets LOS standard	YES/NO	YES	YES	YES	YES	YES	YES	YES		
	 Traffic does not extend onto local 										
	streets 95% of time	YES/NO	YES	YES	YES	NO*	YES	YES	NO*		
*Me	ets criteria weekdays, but not v	weekend days. Ye	s or No ratin	g based	on evaluatin	ıg all days w/ı	in study period.				
16.	100 foot buffer between active area and nearest residence	YES/NO	YES	YES	YES	YES*	NO	YES	NO		

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- 1) If business self haulers are eligible to use facility have automated vehicles.
- 2) This is a policy decision recycling services at transfer stations are a comp plan issue
- 3) For most self-haul customers, roof clearance is not an issue

^{*}Meets 100 ft from residence criterion, but business within 100 ft.

Table G-9: Results of Applying Level of Service Criteria to Package 4 Future Stations

			Algona SH- Only	New South County Comm Only	New Bow Lake Comm Only	Renton SH- Only	Factoria / Eastgate	Houghton SH-Only	New NE Lake WA Comm Only	Comb. Effect
1.	Estimated time to a			Ciny		O.i.y	Lustgate	On Only	Oilly	Lileot
	transfer facility within the service area for 90% of	< 30								
	users	< 30 min=yes	YES	YES	YES	YES	YES	YES	YES	YES
		·								
2.	Time on site meets standard	for 90% of	total trips	T	1	T				
		< 16	N1/0	\/F0	VE0	N1/A	VE0	N1/A	\/F0	\/F0
	a. commercial vehicles	min=yes < 30	N/A	YES	YES	N/A	YES	N/A	YES	YES
	b. business self haulers	< 30 min=yes	N/A	YES 1	YES 1	N/A	YES	N/A	YES 1	YES 1
		< 30								
	c. residential self haulers	min=yes	YES	N/A	N/A	YES	YES	YES	N/A	YES
3.	Facility hours meet user				1					
Э.	demand	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
4.	Recycling servicesmeet po				1	T				
	a. business self-haulers	YES/NO	N/A	YES 2	YES 2	N/A	YES	N/A	YES 2	YES 2
	b. residential self-haulers	YES/NO	NO	N/A	N/A	NO	YES	NO	N/A	NO
5.	Vehicle capacity									
Э.	a. meets current needs	YES/NO	NO	YES	YES	YES	YES	NO	YES	NO
	b. meets 20-year									
	forecast needs	YES/NO	NO	YES	YES	YES	YES	NO	YES	NO
6.	Average daily handling capa	city (tone)								
0.	a. meets current needs	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
	b. meets 20-year									
	forecast needs	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
7.	Space for 3 days' storage									
7.	a. meets current needs	YES/NO	NO	YES	YES	NO	YES	NO	YES	NO
	b. meets 20-year									
	forecast needs	YES/NO	NO	YES	YES	NO	YES	NO	YES	NO
8.	Space exists for station expa	ıncion								
0.	a. inside the property line	YES/NO	NO	YES	YES	YES	YES	YES	YES	NO
	b. on available adjacent	120/110	110					120	120	110
	lands through	YES/NO	YES	YES	YES	NO	YES	NO	YES	NO
	expansion	I LO/INO	IEO	IES	ILO	INO	IES	INO	123	INO
9.	Minimum roof clearance of									
	25 feet	YES/NO	YES	YES	YES	YES	YES	YES*	YES	YES*
* H7	rS new roof funding approved.									
10	Meets facility safety goals	YES/NO	NO*	YES	YES	NO*	YES	NO*	YES	NO*
10.	mode radiity dalety goals	0/140	.,,	,	0	.,,	1 - 1 - 5	110		.10

^{*} The presence of these physical challenges doesn't mean that the stations operate in an unsafe manner.

			Algona SH- Only	New South County Comm Only	New Bow Lake Comm Only	Renton SH- Only	Factoria / Eastgate	Houghton SH-Only	New NE Lake WA Comm Only	Comb. Effect
11.	Ability to compact waste	YES/NO	NO	YES	YES	NO	YES	NO	YES	NO
40							T			
12.	a. Meets goals for structural integrity	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
	b. Meets FEMA									
	immediate occupancy standards	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
	otaridardo	120/110	120	120	120	120	1 1 2 0	120	120	120
	noise ordinance levels	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
1/	Meets PSCAA standards									
	for odors	YES/NO	YES	YES	YES	YES	YES	YES*	YES	YES*
* Ne	w odor control system installed									
15.	Meets goals for traffic on loc						<u> </u>		1	
	a. Meets LOS standard	YES/NO	YES	YES	YES	YES	YES	YES	YES	YES
	b. Traffic does not extend onto local									
	streets 95% of time	YES/NO	NO*	YES	YES	YES	YES	YES	YES	NO
*Меє	ets criteria weekdays, but not we	ekend days.	Yes or No ra	ating based	on evaluati	ng all days	w/in study per	iod.		
							Т			
	100 foot buffer between active area and nearest									
	residence	YES/NO	YES	YES	YES	YES	YES	NO	YES	NO

^{*}Meets 100 ft from residence criteria, but existing business within 100 ft.

¹⁾ If business self haulers are eligible to use facility - have automated vehicles.

²⁾ This is a policy decision - recycling services at transfer stations are a comp plan issue

³⁾ For most self-haul customers, roof clearance is not an issue